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FIG. 1A-1 1A-2 FIG. 1A-3	£3	<b>e</b>	ņ	8 M	0 0 0 N N	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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	ID NO: 1 Mtub294752	Mtub294752	Mtub294752	Mtub294752 ID NO: 2 MtubMTV008	1D NO: 3 Klepl04666 1D NO: 4 MtubMTV043 MtubZ94752	ID NO: 36 MLut296935 ID NO: 5 M(epL01095 ID NO: 6 Mcub038939 ID NO: 7 Mtub281368 MtubMTV008
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ttssiivakitftgamldgsialaggaspatdsEMDQVARCESGGNWGAN tssiivakiaftgavlggggiamaagataatdgEWDQVARCESGGNWSIN tsnvsvakiaftgavlggggiamaagataatdgEWDQVARCESGGNWSIN tsratasivagmtlagaaavgfsapagaatvdTWDAIAGCEAGGNWAIN KlfvksavvsgivtasmalststgmanavprePNWDAVAQCESGGNWAIN riakpliksamaaglvtasmslstavahagpsPNWDAVAQCESGGNWAAN rivctvfietavvatmfvallglstisskaddIDWDAIAQCESGGNWAAN dagfdpnlpplapdflsppaeeeappvpvaysVNWDAIAQCESGGNWAIN t**.**********************************	TGWGYYGGLOFARSSWIAAGGLXYAPRADLATRGEGIAVAERLARIQGWS TGWGYLGGLOFYGSTWASHGGGEYAPSAQLATREGGIAVAERVLATQGWG TGWGYLGGLOFYGSTWAAHGGGEFAPSAQLASREQGIAVAERVLATQGWG TGWGYYGGVOFYGSWGAYGGWG——YPHQASKAEQIAVAEVTRLAGWG TGWGYYGGLOFYRTHAARYGGVG——NPAAASKEGGIAVANKVLAEQGU TGWGYYGGLOFYRTHAARYGGVG——NPAAASKEQGIAVANKVLAEQGU TGWGYYGGLOFYRTHAARYGGVG——NPAAASKEQGIAVANKVLAEQGU TGWGYYGGLOFYACTWRANGGSG——SPAAASREQIRVANKVLAEQGU TGWGYYGGLOFYACTWRANGGSG——SAANASKEQGIRVANKVLAEQGIR
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FIG. 1A-3

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FIG. 1B-1 FIG. 1B-2

FIG. 1B

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TIVVKSGDSIMTLANE-YEVEGGWTALVEANKGAVSDAAVI VVGQELVLPQA	TIKVKSGDSLMKLSRQ-YDTTISALKSENKLKSTVLYVGQSLKVPES	TIKVKSGDSIMKLAQT-YNTSVAALTSANIILSTTVLSIGQTLTIP	TYTVKSGDSIMVIRQK-FNVTAQQIREKNNLKTDVLQVGQKLVI	KYTVKSGDSIMKIANN-INLTVQQIRNINNLKSDVLYVGQVLKL	TYTVRSGDTINALSSK-YGTSVQNINSWNNLSSSSIYVGQVLAVKQ-	THAVKSGDTIMALSVK-YGVSVQDIMSWNNLSSSSIYVGQKLAIKQ-	SVKVKSGDTLWALSVK-YKTSIAQLKSWNHLSSDTIYIGONLIVSQS	TYTVKSGDTLINGISOR-YGISVAQIQSANNLKSTIIYIGQKLILL	TYTVKKGDTLMDIAGRFYGNSTQWRKIWNANKTAMIKRSKRNIRQPGHWIFPGQKLKIPQ-	TYTVKKGDTIMDIAGKFYGDSTKWRKIWKKAMIKRSKRNIRQPGHWIFPGQKIKIPQ-	**
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1D-2

FIG.

FIG. 1D-1

FIG. 1D

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qtapgdqpatapggpvglatdlelpepdpqpadapppgdvteapaetpqvsniaytkklwqaira 

qdvcgndaldslaqpyvig\* 407

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SEQ ID NO: 26 SEQ ID NO: 63 SEQ ID NO: 29 SEQ ID NO: 30 SEQ ID NO: 30 SEQ ID NO: 30	SEQ ID NO: 26 SEQ ID NO: 27 SEQ ID NO: 55 SEQ ID NO: 56 SEQ ID NO: 57 SEQ ID NO: 57 SEQ ID NO: 57	SEQ ID NO: 59			
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# FIG. 1E

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FIG. 2A-2 FIG. 2A-1 FIG. 2A

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SEQ ID NO: 37

**⇔** A P A O

SEQ ID NO: 38

Oligo Alvv

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OFTLSSWOAV GGEGYPHOAS KAEQIKRAEL ATEAAPVAVE RTATVQROSA ADEAAREQAA EGGWTALIEA NKGAVSDAAV IYVGQELVLP

ATVDINDRIA ECESNOTADI NIGNGFYGGV

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Lodiogwgaw Aaeoavvaea

Qadadagdvd Lwwlaneyev

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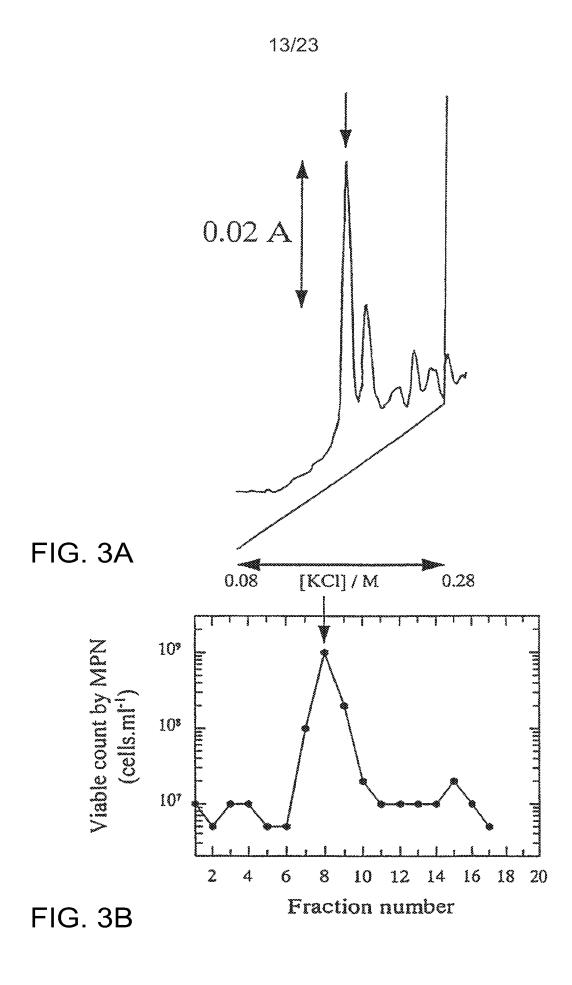
coictycciatrggigtrgtycg 301 gcggcgacgctcgaaggccgagcagatcaagccgagatcc 360  G E G Y P H Q A S K A E D I K R A E I L  G E G Y P H Q A S K  361 tccaggacctgcaggcggtggcgtggcgctggctcgagacgcggacgctgaccc 420  Q D L Q G M G A W P L C S Q K L G L T Q  421 aggctgacgcggtggacgtggacgccgctgggccgcggggccgtggacgcgggggc  481 aggctgacgcggtggacgtggacgcgacgcaggccggggcgggggggg		atcc 36(	1 0 420	9900 480 8 8 80	gata s40	##### 800 \$ F E	gcca 660 A N	07 0 0 a	
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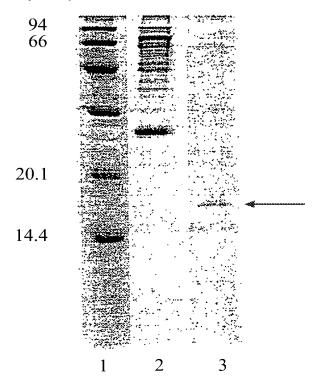
으 (시 (시 cggtggccgccctcggcgcccctgcgcaccgactgggacgccattgccgcgtgcgagt (C) (X) ccagoggcaactggcgaacaccggcaacggctactacgggcggcctgcagttcgcac 

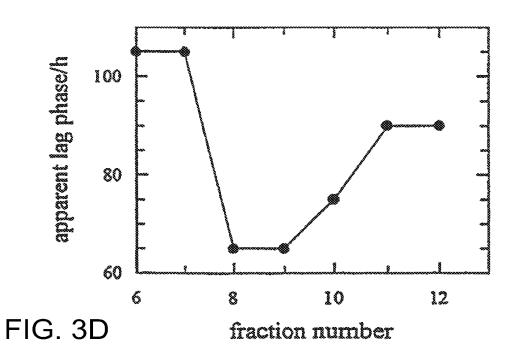
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14/23

FIG. 3C  $M_r$  (kDal)





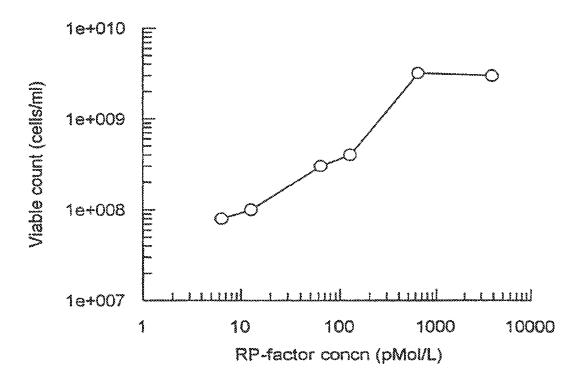


FIG. 4A

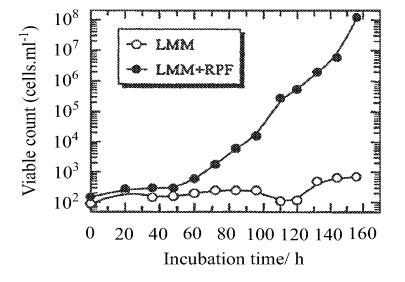
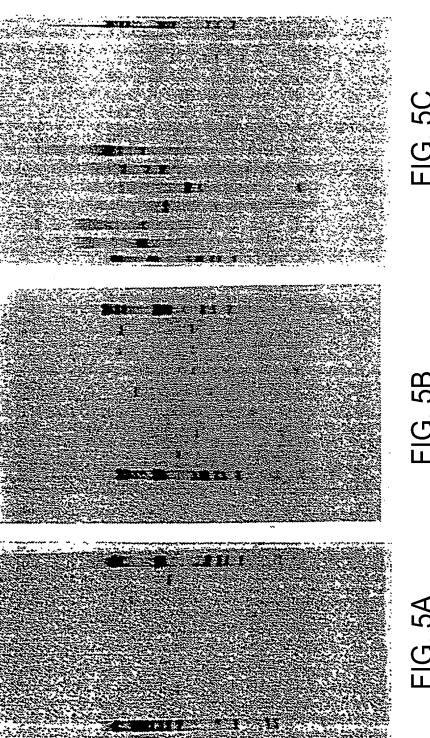


FIG. 4B





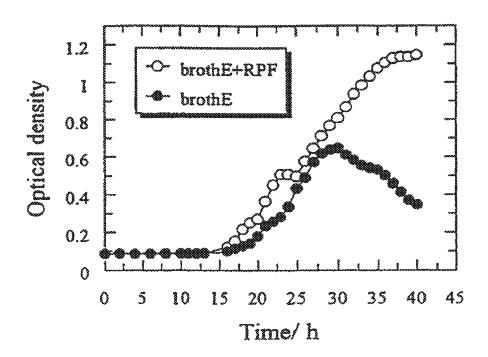


FIG. 6A

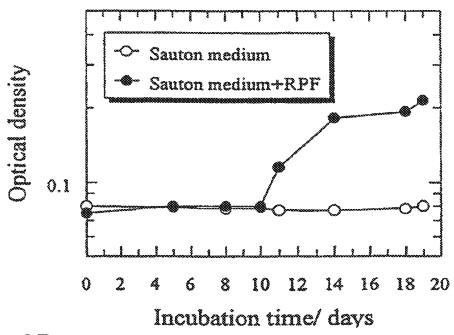


FIG. 6B

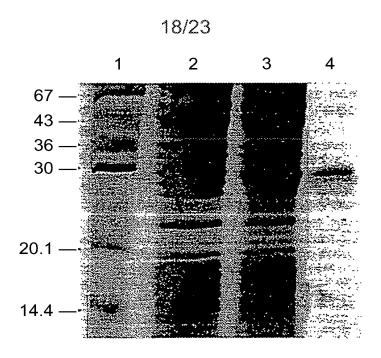


FIG. 7A

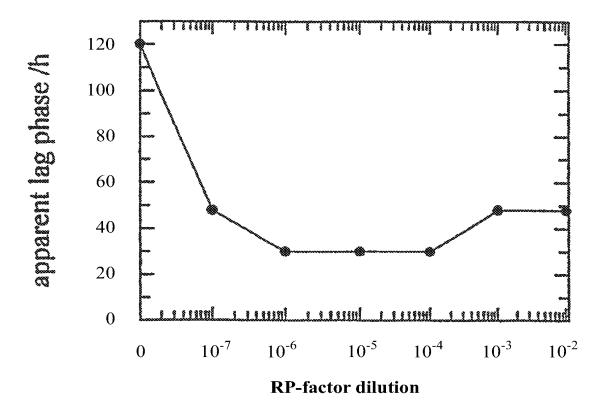


FIG. 7B

19/23

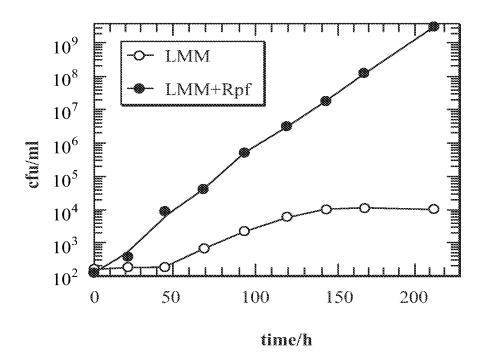


FIG. 7C

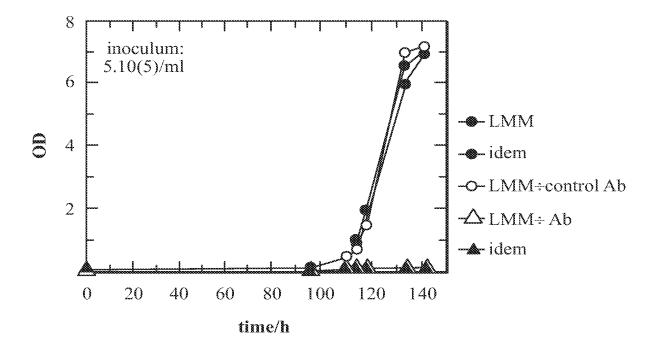


FIG. 8A

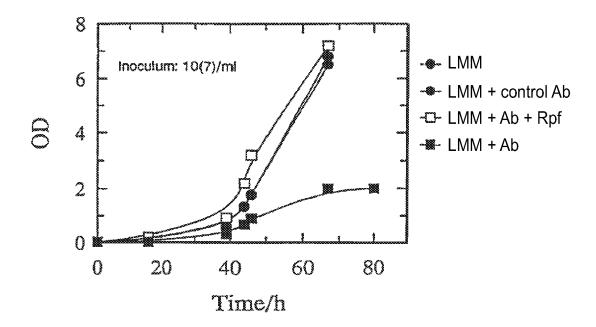
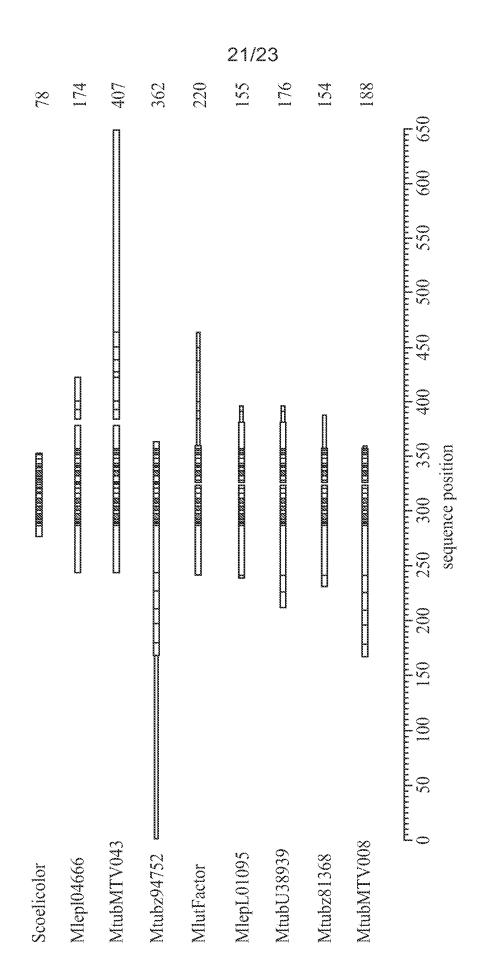
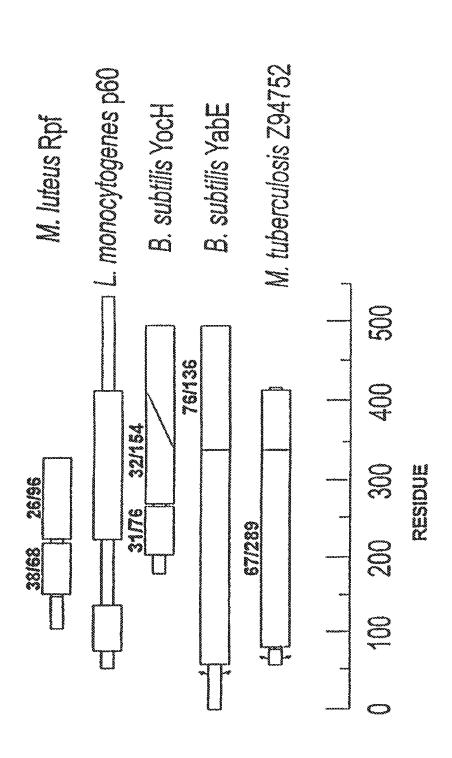


FIG. 8B



22/23



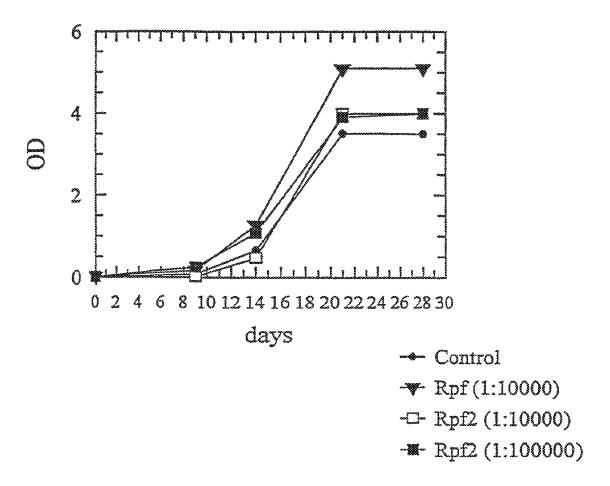


FIG. 10